



KAISER ♦ HILL  
COMPANY

## MEMORANDUM

Date: February 6, 2002

Minutes are unclassified and  
NOT UCNI: *[Signature]*  
2-11-02

To: Jan Robbins

From: Pam Arnold

Subject: WEEKLY STATUS MEETING DOE/LRA for February 6, 2002

Attached are the minutes for the referenced weekly meeting for the Operating Record.  
In attendance were:

R. Ahlstrand	K. Kunert	J. Hindman	D. Ward
P. Arnold	L. Langlois	F. Gerdeman	
K. Daniels	J. Long	M. McGrory	
D. Foss	D. Onyskiw	W. Moe	
K. Harms	G. Tasset	D. Shelton	

In addition to the attached status, the following was discussed:

1. Action Items (a new addition to the minutes) were reviewed from last week's minutes. Items were completed with the exception of satisfactorily addressing the calculations indicating the volume of air/liquid required to clear the PWTS lines. A meeting was scheduled for 3:30 Wednesday, February 6, to discuss the issue among the engineer, DOE, and CDPHE interested parties.
2. Onyskiw noted that there appeared to be a disconnect between RISS and 371/4 regarding the status of the PWTS at transfer (i.e., remediation of sludge, rinsing, cleaning, etc.). A meeting was scheduled between RISS and 371/4 for 2/7/02 at which this issue will be discussed and the results reported at next week's meeting.
3. Incorporated into these minutes is a memorandum from Harms to McGrory dated 2/5/02 regarding "Plan of Action to Transfer PWTS to RISS - KLH-001-02.
4. Onyskiw asked when work was expected to begin that is scoped in the 400 and 800 packages. McGrory responded that work was not yet scheduled since the packages were not complete, but that sufficient time to review the packages would be allotted to the State prior to beginning work. McGrory also indicated that work might begin first on the 800 package.
5. Hindman asked whether or not the DOP indicated that the 231 tanks were to go to RCRA stable. Foss answered in the affirmative. (in checking the DOP, Section 6.2.1 does indicate that B374 would take tanks 231 A & B to RCRA

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371/4 Project  
WEEKLY STATUS MEETING DOE/LRA for January 23, 2002

RECORDS

B371-A-000074

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Stable) Note: Long indicated that the DOP was written prior to decisions about the AWTs.

6. Arnold proposed a method to be used to notify the State and track pipe removal that is ancillary to regulated units. Pipe will be removed using room walls as the boundary. Set and room numbers will identify pipe in the status matrix (an integral part to these minutes). Completion of removal, characterization, and closure selection will be reported in the status column of the matrix similar to tank or glovebox closure (as an example). A closure package will be prepared (again similar to glovebox closure) and maintained in the EM files that tracks the material removed, the container into which it was packaged, date removed, etc. This method of tracking coincides with the tank Inspection logs in terms of room boundary identification. Inspections will be discontinued in rooms once piping has been removed. The ancillary piping within the room boundaries will be considered "closed" as a RCRA partial unit. Arnold solicited and gained agreement of this method from Hindman.
7. Gerdeman indicated that Ed Pietch would not be returning to B371/4 as the DOE representative in the foreseeable future and Gerdeman would continue in that role.
8. Gerdeman suggested that the Project's schedule should reflect both DOE and State activities (e.g., work package reviews) to help facilitate the consultative process. An action item was added for next week to include schedule line items as Gerdeman recommended.
9. Arnold reiterated for the attendees that any transmittal to the State is automatically also submitted to DOE.
10. Arnold discussed the addition of document classification to the meeting minutes; it will be incorporated at the top of the transmittal memo (this document) and will be accompanied by an approval E-mail from Site Classification each week for the Administrative Record.

ACTION ITEMS FROM THIS MEETING: (to be included in next week's agenda)

1. Harms to forward the 800 package to DOE and State in the next couple of working days, as soon as the recently received comments have been incorporated.
2. Ward is to provide additionally requested information from Hindman regarding PWTs engineering drawings that indicate elevations (for low points). The information is to evaluate assumptions regarding the system's low points and potential for sludge.
3. Long is to provide to Onyskiw a copy of the RISS/371-4 meeting minutes from several weeks ago in which the transfer of the PWTs to RISS was discussed and action items were assigned. Included will be an update as to the status of the action items.
4. McGrory is to provide the 231A sludge removal strategy to Hindman (i.e., what contractor will perform the work, etc.)
5. McGrory is to incorporate both the State and DOE activities into the Project's schedule (to facilitate the consultative process)

End

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## MEMORANDUM

Date: February 5, 2002  
To: Mike McGrory, Facility Manager, B371/374  
From: Kerry Harms, B374 Operations Manager  
Subject: Plan of Action to Transfer PWTS to RISS - KLH-001-02

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The current plan for finalizing the blowdown and turnover of the site PWTS piping is as follows.

1. PWTS piping blowdown with low-pressure air efforts will start with either the 400 area or the 800 area, whichever package is ready for performance first, after a reasonable time period to allow comment by CDPHE. If the 800 area package becomes available during work on the 400 area, we will shift to working the 800 area, because it has higher priority. That is the only blowdown required prior to installing the jumper modification in Valve Vault 12 (breaks the High Level line and connects it to the Reverse Flow line). The other PWTS lines fed by other areas can still be blown down to B374.
2. Blowdown performance from remaining lines (Laundry line, Reverse Flow line) will culminate with a grab sample of the fluid after it enters B374, if adequate fluid is available to sample. Analysis results for these samples (if taken) will be provided to RISS. The Laundry Line still requires installation of a tap in room 2804 (WPF submitted).
3. The blowdown packages will include provisions to isolate PWTS lines after blowdown by locking valves.
4. The AWTS group will continue to use the High Level line from the 700 area PWTS for transfers to 231B, therefore B374 plans no further action for that line after 231B is transferred to AWTS. Tank 231B will not be transferred to AWTS until sludge removal and rinsing is completed. The subcontractor is setting up sludge removal equipment and completion of sludge removal anticipated by February 28<sup>th</sup>. B374 will provide full time coverage of this subcontracted work.
5. After 231B tank is shifted to AWTS operation, a modification will be performed to allow pumping the D811A & B tanks in B374 directly to 231B to facilitate removal of waste water from B371 (i.e. D717A & B and D718).
6. In order to demonstrate RCRA stable conditions in the PWTS lines in the 400 area, calculations performed show that <1% sludge remains in the 400 area Low Level Line. A similar approach toward RCRA Stable conditions in other PWTS lines is currently working.
7. B374 will turnover D231A to RISS, drained as far as practicable using normal methods.

These plans have been agreed to by the AWTS lead (Cameron) from RISS project during our many integration meetings.

Cc: file

# **B371 CLOSURE PROJECT**

## **WEEKLY STATUS MEETING**

*Every Wednesday, 9:30 a.m.*

*B371 Conference Room*

**February 6, 2002**

## **AGENDA**

**INTRODUCTION** — Pam Arnold, X6035, Pager 303-212-4835

### **D&D**

**Presenters** — Jim Floerke, X2850, Pager 303-212-3292 & Mike McGrory, X5100, Pager 303-212-2146

- Liquids Draining
- Tank Deactivation
- Glovebox Deactivation
- CSV Deactivation
- Special Projects
  - *Cerium Nitrate*
  - *MAA/PA Closure*
- B374 Deactivation

**Presenter** — Jim Floerke, X2850, Pager 303-212-329

- Special Projects
  - *Cleanup*
  - *Breathing Air*
- Sets 7, 24, and Status

**ENVIRONMENTAL** — Pam Arnold, X6035, Pager 303-212-4835

**AUTHORIZATION BASIS/BIO** — John Almon x3217, Pager 303-212-3426

# **D&D Summary (AAC)**

**Week Ending 2/1/02**

## **Non-actinide Liquid Draining**

Continuing to develop Set 6 strategy.

### **Tanks**

- Set 3 (3517) Raschig Ring package started this week. Cerium decon and D&D ready packages are ready-to-work. (1AC103AT00)
- Set 4 Raschig Ring removal from tanks 152A & B complete; surveys determined tanks meet SCO requirements; Determining disposition of tanks 150 & 133 (have non-boron silica rings); cerium decon and D&D ready packages are ready work. (1AD104AH00)
- Set 13 cerium decon and D&D ready packages for 2307 and 2317 are ready-to-work. The 2307 line isolation package started and may finish this week; the 2317 electrical line isolation package is complete; the mechanical line isolation package is ready to work. The work package for 2319 is in Engineering. (1AC113AT00)
- Set 15 (2223) line isolation walkdown complete; package in planning.

### **Gloveboxes**

- No GB deactivation is scheduled at this time.

### **CSV**

- I/O 8 modification package is in Engineering; ECRs for transfer tunnel modification (eliminates need for crate drop and XYZ traverse) and the I/O 8 mod are in process.
- The guillotine door switch relocation package should complete this week.
- I/O 8 drain line installation package is in progress.
- Lead removal is 90% complete; remaining lead will be removed with the lead windows.
- Electrical isolation package is in progress.
- Mechanical isolation package is ready to work.
- GB removal walkdown complete; package in engineering prereqs
- Health Physics Vent Removal package in prereqs.

### **Cerium Nitrate**

- CeN decontamination procedure is complete and approved.
- Internal management review to be performed prior to hot startup.

## **MAA/PA Closure**

- The first draft of the B371 MAA/PA Closure Plan is complete and a draft copy was provided informally to DOE on January 31.

## **B374 Deactivation**

- Blowdown of process waste water lines – 800 and 400 series buildings scheduled for completion in February. The 800 area blowdown will be followed by installation of the modification to send water to 231B. Other system blowdowns will be performed later to the 231B Tank or B374.
- 231 sludge removal - Subcontract has been placed. Should start 2/6 and complete in 3 weeks.
- Cessation of operations - Planned for March 2002.
- Transition to decommissioning - Some decommissioning work will commence in February, pending engineering approval of floor loading for equipment (see Set 21).

## **D&D Summary (AAD)**

**Week Ending 2/1/02**

### **Special Projects**

#### **Breathing Air Modification:**

- Room 2103 electrical and mechanical modifications are in progress.
- Tank racks installed and painted.
- Room 2103 wall will be replaced after installation of piping.
- Preparing to install B371 breathing air drops.
- A breathing air outage of approximately two weeks will be required for change over.

#### **Cold Area D&D:**

- Engineering of the B381 fluorine building is complete; mechanical and electrical isolation packages are in planning; clean out is complete.
- Fire Phone IWCP is approved; LSDW IWCP is complete.
- Room 3179 engineering is complete, may be put on hold.
- Rooms 4101, 4102, 4103 and 4104 engineering to be complete 2/12.
- Mechanical engineering package for demolition of the UGST is complete; resolving fire alarm wiring issue with electrical isolation package. Will pump from and make an entry into manhole #1 on 2/6.

### **Set 7: Dismantlement**

- Electrical dismantlement is in progress.
- Ancillary equipment mechanical isolation is 50% complete.
- First of four crated gloveboxes will go SCO; lead removal SWP started on this glovebox.
- Waterwall drain package is back to Planning and Engineering.
- Heat Exchanges E51 and E105 dispositioned as SCO.

### **Set 21: Dismantlement**

- The engineering for the saltcrete system dismantlement from room 3809 is complete; packages are in review. Review comments requested inclusion of floor loading requirements.
- Radiological surveys found no contamination; Be survey results were less than detectable.
- Isolation package is in prereqs.

### **Set 14: Dismantlement**

- Lead removal package is complete.
- Electrical isolation has started.
- Waterwall draining has started.
- Mechanical isolation package should start this week.
- SWP for removing glovebox contents is ready to work.
- Estimates for size reduction tent complete.
- Construction walkdown for cost estimate completed last week.
- Construction planner and engineer to walkdown this week.

# ENVIRONMENTAL STATUS

## REGULATED UNITS

SET	AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	LOCATION	STATUS
N/A	AM	Tanks: D-200, D-241, D-242, D-243, and D2860		4103	Evaluating for Idle Equipment and inspection frequency
		Electric Motor/Pump		4103	
		Tanks: D261A, D261B, D253A, D253B, D254A, D254B, D223, D210, D204, D723, D250, D224, D249, D205, D203, D207, D256, D255, D309		4104	
		Glovebox		4104	
		Pumps		4104	
		Motors		4104	
		Piping		4104	
3		Tanks: D132A, B, and C	MRT	3517	
		Nitric Acid Recirc. pump 31-11, P-28A	IE: 0049	3517	
		Nitric Acid Recirc pump 31-11, P28B	IE: 0050	3517	
		Nitric Acid Recirc pump 31-11, P29A	IE: 0051	3517	
		Nitric Acid Recirc pump 31-11, P29B	IE: 0052	3517	
		Nitric Acid pump 31-15, P63	IE: 0054	3517	
		Pumps P-28A, P-28B, P-29A, and P-29B	IE: 0107	3517	
		Pumps P-33A, P-33B, P-34A, P-34B	IE: 0109	3517	
4		Tanks: D133, D150, D151, D152A, D152B	MRT	3571	
		Ancillary Equipment: Evaporator-reboiler E-55, Evaporator Bottoms Cooler E-56, Condenser E-57, and Nitric Acid Feed Heat Exchanger E-62.	MRT	3571	
		Evaporator Bottoms Pump 31-18 P49A	IE: 0079	3571	
		Evaporator Bottoms Pump 31-18 P49B	IE: 0080	3571	
		Pumps 33 A&B, 34 A&B	IE: 0109	3571	

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ENVIRONMENTAL STATUS - REGULATED UNITS, cont.

SET	AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	LOCATION	STATUS
5		Tanks: D134A, D134B D134C, D135A, D135B, D289A, D289B, and D289C.	MRT	3573	Raschig Rings removed from Tanks D134B, D134C, and D289A, and D289B. No visible sludge or rings remaining; these tanks will be closed pursuant to "Unit Removal without On-Site Treatment" (Section 5.1.3, Component Removal RSOP) and dispositioned as non-hazardous waste.
7		Container Storage – Room	371.1A	3301	
		Mixed Residue Tank – Ancillary Equipment only	N/A	3303	
		Container Storage – Room	371.1A	3305	
		Pumps: P171, P172, P173, P174, P175, P176, P177, P178, P179, P180	IE: 0122	3305	
		Mixed Residue Tank - Ancillary Equipment only	N/A	3305	
		Mixed Residue Piping in room 3305	MRT (ancillary equip.)	3305	Piping to be removed using the walls in the room as the boundary. The piping portion of the unit will be closed using Clean Closure Option #1 under the B371/4 DOP.
		Container Storage – Room	371.1A	3315	
		GB Storage - GB#32	371.1B	3315	
12		CWTS: GB 2401	371.3A	1105	
		CWTS: GB 2402, 2403	371.3A	1103	
		CWTS: GB 18, 23, 2404	371.3A	1115	
		CWTS: Tanks 2401A, B, C & D, 2402A & B, and 2403	371.3A	1103	
		Master process control and alarm panel	N/A	1113	
		Container Storage – Room	90.14	1111	Not currently in Permit – to be closed
		Container Storage - Room	90.19	1115	Not currently in Permit – to be closed
		Tanks: D-44A-1, D-44A-2, D-44A-4, D-44A-5, D-44A-6, D-44B-1, D-44B-2, D-44B-4, D-44B-5, D-44B-6	MRT	1107	
		Tanks: D-43A-1, D-43A-2, D-43A-3, D-43A-4, D-43A-5, D-43B-1, D-43B-2, D-43B-3, D-43B-4, D-43B-5	MRT	1109	
		Tanks: D-160A, B, D-400A, B, D, D-179	MRT	1115	

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# ENVIRONMENTAL STATUS - REGULATED UNITS, cont.

SET	AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	LOCATION	STATUS
12		Tanks: D-2A, B, D-157A, B, D-238A, B, D-240A, B, D-170, D-171	MRT	1117	
		Tanks: D-293A & B	MRT	1127	
	AB	Container Storage - Room	371.1A	1103	
	AB	Vault Container Storage	371.1C	1101	
		Wash Liquid Pump 31-17, P-182	IE: 0008	1117	
		HAS Waste Pump 34-04, P4B, Tank D4B from E9, T10 to 2, D811	IE: 0009	1117	
		HAS Waste Pump 34-04, P3A, Tank D3A, from E1, E80 to D811	IE: 0010	1117	
		HAS Waste Pump 34-04, P3B, Tank D3B, from E1, E80 to D811	IE: 0011	1117	
		HAS Waste Pump 34-04, P4A, Tank D4A, from E9-E10 to D2, D811	IE: 0012	1117	
		Pumps P-140, P-141A, P-141B	IE: 0113	1115	
		Pumps P-181 and P-182	IE: 0114	1117	
		Pumps P-5A, P-5B, P-6A, P-6B, P-7A, P-7B, P-15A, P-15B, P-27A, P-27B, P-107A, P-107B, JP-108A, P-108B	IE: 0115	1125	
13		Tank D-292A & B	MRT	2317	
		Pumps P-21A, P-914	IE: 0117	2307	
		Pumps P-85A, B, C; P-27A, B, C	IE: -119	2317	
14		Container Storage - Room	371.1A	2325	
		Mixed Residue Piping in room 2325	MRT (ancillary equip.)	2325	Piping to be removed using the walls in the room as the boundary. The piping portion of the unit will be closed using Clean Closure Option #1 under the B371/4 DOP.
18		Tanks: D816, D817, D818, D819, D820, D821, D822, D823, D826A, D826B, D826C.	374.3	3801	
		See Set 19 also			
		Tanks: D827, D830, D832, D834, D876, D879, T802, T803, T804, T805.	374.3	3810/4814	

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**ENVIRONMENTAL STATUS - REGULATED UNITS, cont.**

SET AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	LOCATION	STATUS
19	Tanks: D802A, B, C, D804A, B, C, D, D811A, B, D843, D852, D875, D847, D851.	374.3	2804	
18/19	Tanks: D806, D807A & B, D808, D843, D942.	374.3	2804/3801	
19	Tanks: D801A, B, & C, D826C, D878, D883A & B, D884,	374.3	2804/3801/ 3803/3805/ 3809/3810/ 4802/4812	Tanks D883A/B have been declared RCRA Stable and transferred to D&D
19	Spray Chamber W803, Spray Dryer Baghouse FL803	374.3	2804/3801/ 3803/3805/ 3809/3810/ 4802/4812	
19/21	Tanks: D824A & B, DD825 A & B, D844 A & B, D848	374.3	2804/3801/ 3803/3805/ 4805/4807	
19	Drum Filter Basins: FL802A & B, Sludge Dryer: W801, Dry Sludge Hopper: H3, Dry Sludge Conveyors: CV813A & B	374.3	2804/3801/ 3803/3805/ 4805/4807	
	See Set 21 also			
24	GB Storage - GB's 72B and 72C	371.1B	3408	GB's 72B and 72C have been closed by "Unit Removal in Conjunction with 'Debris Rule' Treatment".
	Mixed Residue Tank - Ancillary Equipment	N/A	3408	
56	Tanks: D806 and D807A/B, 808, 812, 813, 814, 815, Polishing Filter FL831	374.3	3801	Tanks D807A/B, D808, D813, D814, D815, and D816 have been declared RCRA Stable and transferred to D&D.
	GB Storage - GB's 107 and 113	374.3	3801	
57	No RCRA Units			
58	Tanks: D825A, D825B, D844A, D844B, D848	374.3	3803/4805/ 4807	Tanks: 825A, D825B, D844A, D844B, D848 have been declared RCRA Stable and transferred to D&D.
	Ancillary Equipment: FL802A, FL802B, W801, H3, CV813A, CB813B, CV808, CV812, CV813A/B, CV816, W801, H3, FL802A/B, T807, E804A/B/C, E817A/B, P806A/B, P815A/B, P816A/B, P862A/B.	374.3	3803/4805/ 4807	
	GB Treatment: GB's 115 AB, 116AB, 117AB, 118 AB.	374.3	3803/4805/ 4807	

# **Basis for Interim Operations (BIO)**

**Week Ending 02/01/02**

## **PuSPS Page Changes**

- Process less than 80% Pu oxides
  - Revised technical report to resolve DNFSB issues; awaiting comment
  - Page change will be completed consistent with technical report; draft to DOE for comment

## **Operations Page Changes**

- Page change to incorporate all JCOs
  - Waiting for DOE comments on draft
- Residue Product Carts
  - Submitted to DOE 01/25/02

## **Other Page Changes**

## **D&D Support**

- Out-of-commission
  - USQDs completed for placing dismantlement sets out-of-commission:

Set	Date Completed	Date to DOE	Response Due	Response Rec'd
24	09/27/01	10/01/01	10/08/01	10/01/01
7	10/24/01	10/30/01	11/06/01	
14	11/13/01	11/28/01	12/05/01	
13	12/13/01	12/18/01	12/25/01	12/21/01*
21	12/11/01	01/15/02	01/22/02	01/29/02
12, Ph. 1	01/02/02	01/15/02	01/22/02	01/29/02
15	01/09/02	01/24/02	01/31/02	
AM, Ph. 1	being worked			
PWTS	Cancelled**			

\* Received response from DOE, 12/21/01. Memo concluding that the GBOH detectors for the gloveboxes in Room 2317 have been appropriately dispositioned sent to DOE 01/24/02. Approval of the resolution of the issues received from DOE 01/30/02.

\*\* The PWTS is not described in the Building 371/374 BIO or included in the TSRs; therefore, it was determined that the OOC designation of these lines per the TSRs is not required. The work packages for the blow down, sampling, and isolation will be evaluated.